

I CLAIM:

1. A ratchet paw structure comprising a ratchet block seat and a ratchet
seat, the ratchet block seat including a ratchet block module and the
ratchet seat having a series of ratchet teeth corresponding to the
5 ratchet paw module allowing the ratchet seat to engage or disengage
correspondingly, characterized in that:
the ratchet block seat includes at least two groups of ratchet block
modules, and each of the ratchet blocks of the ratchet block module
have a distance, and the ratchet block is positioned in adjacent to the
10 ratchet block module and the engaging position of the ratchet teeth
on the ratchet seat is displaced eccentrically within the range of one
ratchet teeth width;
whereby when the ratchet block engages the ratchet teeth, the
subsequent ratchet block is displaced eccentrically within the range
15 of the ratchet teeth to minimize the reverse distance of rotation.
2. The ratchet paw structure of claim 1, wherein the ratchet block seat
includes a first teeth slot module and a second teeth module, and the
first teeth slot module and the second teeth slot module are
respectively provided with a first ratchet block module and a second
20 ratchet block module formed from a series of ratchet blocks, and the

ratchet block of the second ratchet block module and the ratchet
block of the first ratchet block module are mounted subsequently and
when the ratchet block of the second ratchet block module is exactly
positioned at the ratchet teeth of the ratchet seat engaged by the
5 ratchet block of the first ratchet block module, the ratchet block of
the second ratchet block module moves forward or backward
eccentrically half the width of the ratchet teeth so as to reduce the
reverse distance of the ratchet seat.

3. The ratchet paw structure of claim 1, wherein the number of ratchet
10 slots of each ratchet slot module and the number of ratchet blocks of
the ratchet block module are respectively three, and the inclined
angle is 120 degree.

3. The ratchet paw structure of claim 1, wherein the ratchet block
module of the ratchet block seat is formed at the end face thereof,
15 and the ratchet teeth of the ratchet seat is formed at the corresponding
end face.